

Nonresidential Lighting Measures

Summary of Measures

- Common lighting systems as new compliance option
- Modifications to whole area and complete building lighting power allowances
- Simplified tailored method
- Requirement for daylighting skylight area for large spaces
- Acceptance requirements for lighting controls

Common Lighting Systems

- Compliance option added that does not require calculation of allowed lighting power
- Pre-determined to achieve a lighting power density less than 1.0 W/ft²
- Specifies types, lamp watts, and spacing for common luminaires

Lighting Power Allowances – Complete Building and Area Category Methods

- Proponent: CEC
- Workshop: April 23
- Standard: NR Lgt
- Whole building and whole area tables are updated to include a few new building types and area categories.
- Many of the allowed LPDs have been revised based on new lighting models. The changes are driven primarily by advances in the efficacy of super T-8 lamps and pulse start metal halide lamps.
- See Tables 146-C and 146-D

Simplified Tailored Method

- Proponent: CEC
- Workshop: July 18
- Standard: NR Lgt
- The tailored lighting method has been simplified through revisions to §146(c)3
- Use-it-or-lose-it allowances keyed to specific spaces
- Neutral in terms of allowed lighting power

Bi-Level Lighting Control Credits

- Proponent: PG&E
- Workshop: July 18
- Standard: NR Lgt
- Applies to:
 - Hallways of hotels/motels
 - Commercial and Industrial Storage stack areas (max. 2 aisles per sensor)
 - Library Stacks (maximum 2 aisles per sensor)
- See Table 146-B

Daylighting of Large Spaces Under Roof

- Proponent: PG&E
 - Workshop: May 30
 - Standard: NR Lgt
- Applies to spaces under a roof greater than 25,000 ft² with at least 15 ft ceilings
 - At least half the floor area must be in the daylight zone under skylights
 - Luminaires in daylight zone must have automatic multi-level daylighting controls
 - Minimum skylight area
 - Skylights must diffuse the light

Lighting Controls Acceptance

- All lighting controls shall be certified as meeting the ACM NJ-2005 Acceptance Requirements for Code Compliance.
- A Certificate of Acceptance shall be submitted to the building department that:
 - Certifies that plans, specifications, installation certificates, and operating and maintenance information meet the requirements of Part 6.
 - Certifies that automatic daylighting controls meet the requirements of Section 119(e) through Section 119 (g).
 - Certifies that lighting controls meet the requirements of Section 131(a) through Section 131 (c) and Sections 131 (e) and (f).
 - Certifies that automatic lighting controls meet the requirements of Section 119 (c) and 131 (d).
 - Certifies that occupant-sensing devices meet the requirements of Section 119 (d) and 131 (d).